

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/JP2004/007528

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B60K6/04 B60L1/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B60K B60L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 100 41 538 A (HONDA MOTOR CO LTD) 5 April 2001 (2001-04-05) column 1, line 38 - column 4, line 12; figures 1-4 abstract	1-15
X	US 5 566 774 A (YOSHIDA MASATO) 22 October 1996 (1996-10-22) column 2, line 23 - column 4, line 56; figures 1,2 abstract	1-15
X	EP 0 511 654 A (TOYOTA MOTOR CO LTD) 4 November 1992 (1992-11-04) column 3, line 3 - column 4, line 25; figures 1,2 abstract	1-15
	----- -/-	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*G\* document member of the same patent family

Date of the actual completion of the international search

20 September 2004

Date of mailing of the international search report

01/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Bronold, H

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/JP2004/007528

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 063 120 A (MAN NUTZFAHRZEUGE AG) 27 December 2000 (2000-12-27) abstract; claims 1-4 -----	1-15
A	EP 1 223 323 A (TOYOTA MOTOR CO LTD) 17 July 2002 (2002-07-17) column 3, paragraph 8 - column 4, paragraph 14 abstract -----	1-15

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/007528

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 10041538	A	05-04-2001	JP 2001132487 A DE 10041538 A1 US 6343252 B1 DE 10041535 A1 JP 2001132491 A	15-05-2001 05-04-2001 29-01-2002 08-03-2001 15-05-2001
US 5566774	A	22-10-1996	JP 5328520 A JP 2874449 B2 JP 5328527 A JP 2795051 B2 JP 5328524 A AU 3857593 A DE 69309767 D1 DE 69309767 T2 EP 0570241 A1 KR 136743 B1 KR 9514628 B1 US 5492190 A	10-12-1993 24-03-1999 10-12-1993 10-09-1998 10-12-1993 18-11-1993 22-05-1997 23-10-1997 18-11-1993 24-04-1998 11-12-1995 20-02-1996
EP 0511654	A	04-11-1992	JP 2827568 B2 JP 4331402 A DE 69201094 D1 DE 69201094 T2 EP 0511654 A2 US 5323868 A	25-11-1998 19-11-1992 16-02-1995 24-05-1995 04-11-1992 28-06-1994
EP 1063120	A	27-12-2000	DE 10026471 A1 EP 1063120 A2	11-01-2001 27-12-2000
EP 1223323	A	17-07-2002	JP 2002285878 A EP 1223323 A2 EP 1223324 A2 JP 2002285881 A US 2002092295 A1 US 2002092296 A1	03-10-2002 17-07-2002 17-07-2002 03-10-2002 18-07-2002 18-07-2002